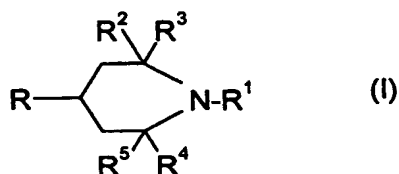


We claim

1. A thermoplastic molding composition, comprising

5 A) a polyamide A1), containing at least one end group derived from a piperidine compound of the formula (I)



where

10 R is an amide-forming group R<sup>7</sup> or a functional group R<sup>8</sup> which bears from 1-4 identical or different amide-forming groups R<sup>7</sup>,  
 R<sup>1</sup> is H, C<sub>1</sub>-C<sub>20</sub>-alkyl, cycloalkyl, benzyl, or OR<sup>8</sup>, where  
 R<sup>6</sup> is H, C<sub>1</sub>-C<sub>20</sub>-alkyl, cycloalkyl, or benzyl,  
 R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup>, independently of one another, are C<sub>1</sub>-C<sub>10</sub>-alkyl, where R<sup>1</sup>, R<sup>2</sup>,  
 15 R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> may be different or identical, and  
 R<sup>7</sup> has been selected from the group consisting of -(NHR<sup>9</sup>), where R<sup>9</sup> is H, alkyl having from 1 to 8 carbon atoms, cycloalkyl having from 3 to 10 carbon atoms, or alkylene having from 2 to 20 carbon atoms, carboxy, and carboxylic acid derivatives, and

20

B) a copolymer, selected from

B1) a rubber-free random copolymer, containing, as monomeric units,

25 b11) a styrene monomer,  
 b12) a monomer which contains a functional group which can react with the end groups of the polyamide present in component A), and  
 b13) a monomer which contains no functional groups which react with the end groups of the polyamide present in component A),

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B2) a block copolymer of Y-X structure, containing

B21) from 95 to 99.5% by weight of block Y, containing, as monomeric units,

b21) a mixture composed of  
 b211) a styrene monomer, and

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b212) a comonomer other than maleic anhydride, or  
 b22) an ethylenically unsaturated ester

and

B22) from 0.5 to 5% by weight of block X, composed of a styrene monomer and of a copolymerizable anhydride, or of a copolymerizable acid, or of a mixture of these, as monomeric units, where the block X has, in essence, a strictly alternating structure;

5

where the entirety of the components B21) and B22) is 100%, and

B3) a rubber-free, random copolymer, containing, as monomeric units

10

b31) methyl methacrylate,

b32) a copolymerizable anhydride, or a copolymerizable acid, or a mixture of these, and

b33) also, if desired, methacrylic esters or acrylic esters, or a mixture of these.

15 2. A thermoplastic molding composition as claimed in claim 1, where the polyamides A) have at least one end group derived from a piperidine compound, where R is a group of the formula  $-NH-R^8-NH-$ , where  $R^8$  is an alkylene group having from 1 to 20 carbon atoms.

20 3. A thermoplastic molding composition as claimed in claim 1 or 2, where component A) is a mixture composed of polyamide A1) and of a polyamide A2) which contains no end groups which derive from a piperidine compound.

25 4. A thermoplastic molding composition as claimed in any of claims 1 to 3, where, as additional component C), a graft copolymer C1) is present, containing a rubber as graft base c11) and a graft c12) based on an unsaturated monomer.

30 5. A thermoplastic molding composition as claimed in any of claims 1 to 3, where, as additional component, a rubber-free matrix polymer C2) is present, which in essence comprises, as monomeric units,

c21) a styrene monomer or a (meth)acrylic ester, and, if desired,

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c22) an unsaturated nitrile, maleimide, or maleic anhydride, or a mixture of these.

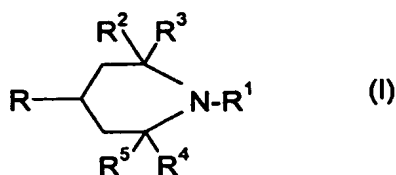
6. A thermoplastic molding composition as claimed in any of claims 1 to 4, where component C) is a mixture composed of two graft copolymers C1) whose rubber contents differ from one another by at least 5% by weight.

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7. A thermoplastic molding composition as claimed in any of claims 1 to 5, comprising from 0.3 to 1.5% by weight, based on the total weight of the molding composition,

tion, of a stearate or silicone oil, or a mixture of these.

8. A process for preparing thermoplastic molding compositions as claimed in any of claims 4 to 7, which comprises, in a first step, preparing a graft copolymer P) from a portion of component A) and the entire amount of component B), and, in a second step, mixing the graft copolymer P) with the other components and with the remaining amount of component A).
9. A graft copolymer, obtainable by grafting a polyamide A1 containing at least one end group derived from a piperidine compound of the formula



where

- R is an amide-forming group R⁷ or a functional group R⁸ which bears from 1-4 identical or different amide-forming groups R⁷,  
 R¹ is H, C₁-C₂₀-alkyl, cycloalkyl, benzyl, or OR⁸, where  
 R⁸ is H, C₁-C₂₀-alkyl, cycloalkyl, or benzyl,  
 R², R³, R⁴ and R⁵, independently of one another, are C₁-C₁₀-alkyl, where R¹, R², R³, R⁴ and R⁵ may be different or identical, and  
 R⁷ has been selected from the group consisting of -(NHR⁹), where R⁹ is H, alkyl having from 1 to 8 carbon atoms, cycloalkyl having from 3 to 10 carbon atoms, or alkylene having from 2 to 20 carbon atoms, carboxy, and carboxylic acid derivatives, and

with a copolymer B), selected from

- B1) a rubber-free random copolymer, containing, as monomeric units,  
 b11) a styrene monomer,  
 b12) a monomer which contains a functional group which can react with the end groups of the polyamide present in component A), and  
 b13) a monomer which contains no functional groups which react with the end groups of the polyamide present in component A),
- B2) a block copolymer of Y-X structure, containing  
 B21) from 95 to 99.5% by weight of block Y, containing, as monomeric units,  
 b21) a mixture composed of

- b211) a styrene monomer, and
- b212) a comonomer other than maleic anhydride, or
- b22) an ethylenically unsaturated ester

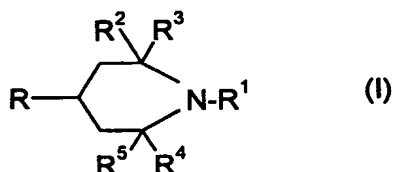
5 and

B22) from 0.5 to 5% by weight of block X, composed of a styrene monomer and of a copolymerizable anhydride, or of a copolymerizable acid, or of a mixture of these, as monomeric units, where the block X has, in essence, a strictly alternating structure;

where the entirety of the components B21) and B22) is 100%, and

- B3) a rubber-free, random copolymer, containing, as monomeric units
  - b31) methyl methacrylate,
  - b32) a copolymerizable anhydride, or a copolymerizable acid, or a mixture of these, and
  - b33) also, if desired, methacrylic esters or acrylic esters, or a mixture of these.

10. The use of polyamide A1), containing at least one end group derived from a piperidine compound of the formula (I)



25 where

- R is an amide-forming group R<sup>7</sup> or a functional group R<sup>8</sup> which bears from 1-4 identical or different amide-forming groups R<sup>7</sup>,
- R<sup>1</sup> is H, C<sub>1</sub>-C<sub>20</sub>-alkyl, cycloalkyl, benzyl, or OR<sup>8</sup>, where
- R<sup>8</sup> is H, C<sub>1</sub>-C<sub>20</sub>-alkyl, cycloalkyl, or benzyl,
- R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup>, independently of one another, are C<sub>1</sub>-C<sub>10</sub>-alkyl, where R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> may be different or identical, and
- R<sup>7</sup> has been selected from the group consisting of -(NHR<sup>9</sup>), where R<sup>9</sup> is H, alkyl having from 1 to 8 carbon atoms, cycloalkyl having from 3 to 10 carbon atoms, or alkylene having from 2 to 20 carbon atoms, carboxy, and carboxy derivatives, and

as color stabilizer for rubber-modified thermoplastic molding compositions.

11. The use of the thermoplastic molding compositions as claimed in any of claims 1 to 7, or prepared as claimed in claim 8, for producing moldings, foils, fibers, or foams.
- 5 12. A molding, a foil, a fiber, or a foam, obtainable using thermoplastic molding compositions as claimed in any of claims 1 to 7, or prepared as claimed in claim 8.
13. A vehicle-interior component obtainable using moldings, foils, fibers, or foams as claimed in claim 12.